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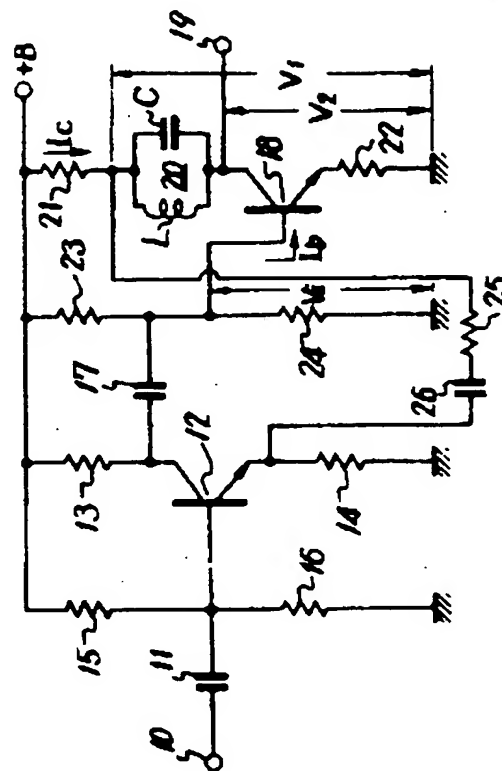
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TITLE : FEEDBACK AMPLIFYING CIRCUIT



ABSTRACT : PURPOSE: To avoid the effect of impedance of a resonance circuit, by connecting the resonance circuit and a resistor between the main electrode of a transistor at the poststage and the power supply, and feeding back the potential produced across this resistor to the prestage.

CONSTITUTION: The frequency characteristics without a feedback loop and a resonance circuit 20 are right-down ones in which the level is lowered as frequencies increase. Further, when the middle band is corrected by inserting the circuit 20, a peak is developed and it is not in good condition regardless of the effect, since high band characteristics are lowered. Thus, negative feedback is made with resistors 21 and 25 without the circuit 20. Thus, the high band part of the frequency characteristics is increased to obtain flat characteristics. With this state, when middle band is corrected through the insertion of the circuit 20, favorable characteristics in which the peaks have almost symmetry, are obtained. Further, the potential at the connecting point between resistor 21 and circuit 20 in negative feedback is independently of the impedance of the circuit 20. Thus, the frequency correction for a plurality of parts such as high and middle bands can be made by using the same amplifier.

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